EL	ECTRICAL SHEET INDEX
SHEET NO	DRAWINGS
EY001	SHEET INDEX, SYMBOL SCHEDULE
EY101	NOT USED
EY102	NOT USED
EY103	NOT USED
EY104	MICU AREA - PHASE I NURSE CALL PLAN
EY105	NOT USED
EY106	SICU AREA - PHASE I NURSE CALL PLAN
EY107	NOT USED
EY108	TELEMETRY/CCU AREA - PHASE I NURSE CALL PLAN
EY109	ACUTE MED AREA (2W) - PHASE I NURSE CALL PLAN
EY110	ACUTE MED AREA (2E) - PHASE I NURSE CALL PLAN
EY111	ACUTE MED AREA (2E) - PHASE I NURSE CALL PLAN
EY112	NOT USED
EY113	SURGERY CLINICS (3W) - PHASE I NURSE CALL PLAN
EY114	SURGERY CLINICS (3E) — PHASE I NURSE CALL PLAN
EY115	SURGERY CLINICS (3E) - PHASE I NURSE CALL PLAN
EY116	NOT USED
EY117	HOPTEL AREA (4W) - PHASE I NURSE CALL PLAN
EY118	FOURTH FLOOR CLINICS (4E) — PHASE I NURSE CALL PLAN
EY119	WARD 3A AREA — PHASE I NURSE CALL PLAN
EY201	BUILDING 14 - COMMUNICATIONS PLAN
EY202	BUILDING 14 - COMMUNICATIONS PLAN
EY203	BUILDING 14 - COMMUNICATIONS PLAN
EY204	BUILDING 1 - COMMUNICATIONS PLAN
EY205	BUILDING 1 - COMMUNICATIONS PLAN
EY206	BUILDING 1 - COMMUNICATIONS PLAN
EY207	BUILDING 1 - COMMUNICATIONS PLAN
EY208	BUILDING 1 - COMMUNICATIONS PLAN
EY209	BUILDING 3 - COMMUNICATIONS PLAN
EY401	COMMUNICATIONS ROOMS DETAILS
EY601	NURSE CALL SYSTEM CABLE SCHEDULE AND DETAILS
EY602	NURSE CALL COMMUNICATIONS DETAILS
EY603	NURSE CALL COMMUNICATIONS DETAILS

DEFINITIONS

NOTE: ALL DEFINITIONS MAY NOT BE USED.

INDICATED: THE TERM "INDICATED" REFERS TO GRAPHIC REPRESENTATIONS, NOTES, OR SCHEDULES ON THE DRAWINGS, OTHER PARAGRAPHS OR SCHEDULES IN THE SPECIFICATIONS, AND SIMILAR REQUIREMENTS IN THE CONTRACT DOCUMENTS. WHERE TERMS SUCH AS "SHOWN", "NOTED", "SCHEDULED", AND "SPECIFIED" ARE USED, IT IS TO HELP THE READER LOCATE THE REFERENCE, NO LIMITATION ON LOCATION IS INTENDED.

DIRECTED: TERMS SUCH AS "DIRECTED", "REQUESTED", AUTHORIZED", "SELECTED", "APPROVED", "REQUIRED", AND "PERMITTED" MEAN "DIRECTED BY THE ENGINEER", "REQUESTED BY THE ENGINEER", AND SIMILAR PHRASES.

APPROVE: THE TERM "APPROVED", WHERE USED IN CONJUNCTION WITH THE ENGINEER'S ACTION ON THE CONTRACTOR'S SUBMITTALS, APPLICATIONS, AND REQUESTS, IS LIMITED TO THE ENGINEER'S DUTIES AND RESPONSIBILITIES AS STATED IN GENERAL AND SUPPLEMENTARY CONDITIONS.

FURNISH: THE TERM "FURNISH" IS USED TO MEAN "SUPPLY AND DELIVER TO THE PROJECT SITE, READY FOR UNLOADING, UNPACKING, ASSEMBLY, INSTALLATION, AND SIMILAR OPERATIONS."

INSTALL: THE TERM "INSTALL" IS USED TO DESCRIBE OPERATIONS AT PROJECT SITE INCLUDING THE ACTUAL "UNLOADING, UNPACKING, ASSEMBLY, ERECTION, PLACING, ANCHORING, APPLYING, WORKING TO DIMENSION, FINISHING, CURING, PROTECTING, CLEANING, AND SIMILAR OPERATIONS."

PROVIDE: THE TERM "PROVIDE" MEANS "TO FURNISH AND INSTALL, COMPLETE AND READY FOR THE INTENDED USE."

INSTALLER: AN "INSTALLER" IS THE CONTRACTOR OR AN ENTITY ENGAGED BY THE CONTRACTOR, EITHER AS AN EMPLOYEE, SUBCONTRACTOR, OR SUB—SUBCONTRACTOR, FOR PERFORMANCE OF A PARTICULAR CONSTRUCTION ACTIVITY, INCLUDING INSTALLATION, ERECTION, APPLICATION, AND SIMILAR OPERATIONS. INSTALLERS ARE REQUIRED TO BE EXPERIENCED IN THE OPERATIONS THEY ARE ENGAGED TO PERFORM.

ELECTRONIC SYSTEMS: THE TERM "ELECTRONIC SYSTEMS" IS USED TO DESCRIBE ALL LOW VOLTAGE SYSTEMS GENERALLY REFERRED TO AS "SPECIAL SYSTEMS". THESE SYSTEMS INCLUDE BUT ARE NOT NECESSARILY LIMITED TO ALL SYSTEMS WHICH UTILIZE VOLTAGES OF LESS THAN 71 VOLTS SUCH AS SOUND SYSTEMS, VIDEO SYSTEMS, TV SYSTEMS, SECURITY SYSTEMS, VOICE AND DATA CABLING SYSTEMS, FTC.

ABBREVIATIONS

NOTE: ALL ABBREVIATIONS MAY NOT BE USED.

NOTE: ALL ABBREWATIONS MAY NOT B

G 1—GANG ELECTRICAL BOX

G 3—GANG ELECTRICAL BOX

G 3—GANG ELECTRICAL BOX

SQ 4—SQUARE ELECTRICAL BOX

DA ABMERICANS WITH DISABLILITIES ACT

DA DJACENT

MT ELECTRICAL METALIC TUBING

GUIP EQUIPMENT

XIST EXISTING

ED LIGHT EMITTING DIODE.

AX MAXIMUM

A NOT APPLICABLE

C NORMALLY CLOSED

EC NATIONAL ELECTRICAL CODE

O NORMALLY OPEN

TO TO SCALE

TY

C QUANTITY

PC SPECIFICATIONS

TRANSIENT VOLTAGE SURGE SUPPRESSOR

TYP TYPICAL

TYPICAL VOLTS WITH WITHOUT

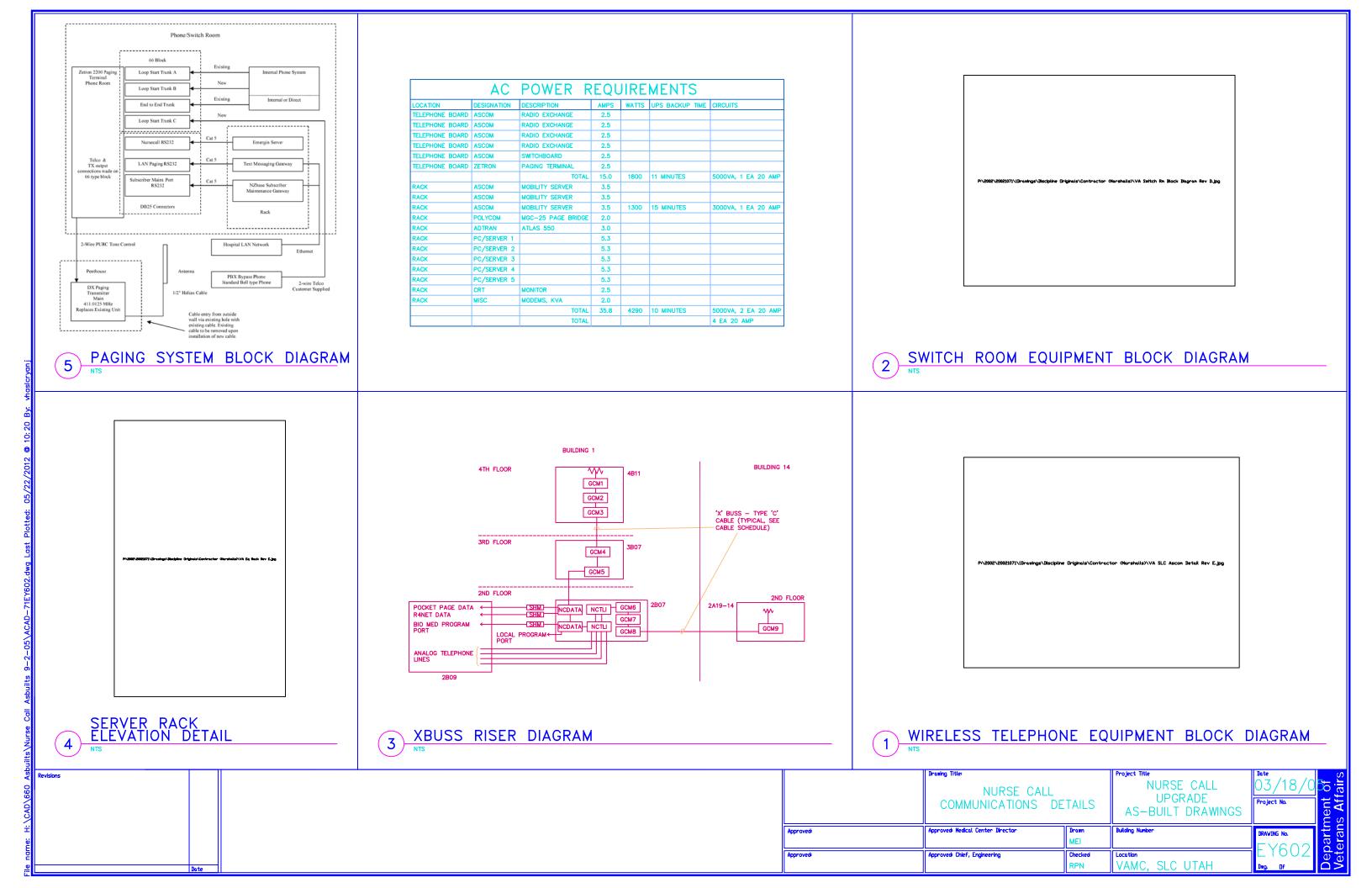
SYMBOL LEGEND SYMBOL DESCRIPTION NCM NURSE CALL MASTER CONSOLE. AREA CONTROL UNIT AND POWER SUPPLIES. PATIENT STATION WITH CALL CORD. D DUTY STATION. COMBINATION EMERGENCY ASSIST/CODE BLUE STATION. STAFF REGISTRATION/CALL CANCEL STATION. BATH/TOILET/SHOWER STATION. H→ HOUSE-KEEPING STATION CODE BLUE ONLY STATION. X STAFF INTERCOM STATION. CALL CORD RECEPTACLE WITH CALL CORD. M MEDICAL EQUIPMENT ALARM INPUT RECEPTACLE (4 PORT). BS WIRELESS TELEPHONE BASE STATION. \triangle CORRIDOR/ZONE LIGHT. ര J-BOX/RECEPTACLE PLUG. SYSTEM CABLE - TYPICAL. SEE CABLE SCHEDULE. SERVER RACK. FIRE-TREATED PLYWOOD BACKBOARD.

5	SUBSCRIPT LEGEND						
SYMBOL	DESCRIPTION						
С	COVER EXISTING DEVICE, PROVIDE SS BLANK COVER.						
D	DEMO EXISTING DEVICE.						
E	EXISTING DEVICE TO REMAIN.						
N	NEW DEVICE, BOX, AND RACEWAY.						
R	REMOVE AND REPLACE EXISTING DEVICE.						

VAMC SLC - NURSE CALL UPGRADE AS-BUILT DRAWINGS

Revisions

| Drewing Titler | SHEET INDEX, SYMBOL LEGENDS | NURSE CALL UPGRADE AS—BUILT DRAWINGS | Project No. | P



YMBOL	DESCRIPTION	MOUNTING HEIGHT	RESP IV BOXES	INSTRUCTIONS
NCM	NURSE CALL MASTER	DESK TOP, RECEPTACLE AT 18" *	1-GANG	PROVIDE .75" C TO ACC CEILING
ACU	AREA CONTROL UNIT AND POWER SUPPLIES	72"	A/R	PROVIDE RACEWAYS AS REQUIRED
S	STAFF REGISTRATION STATION	54"	1-GANG	PROVIDE .75" C TO DOME LIGHT
X.	STAFF STATION	54"	3-GANG DEEP	PROVIDE .75" C TO CABLE TRAY
D	DUTY STATION	54"	3-GANG DEEP	PROVIDE .75" C TO CABLE TRAY
P	PATIENT STATION WITH CALL CORD	54"	3-GANG DEEP	PROVIDE .75" C FROM PATIENT STATION TO DOME LIGHT
H	HOUSE-KEEPING STATION	54"	1-GANG	PROVIDE .75" C TO DOME LIGHT
C+	CALL CORD RECEPTACLE WITH CALL CORD	54"	4 SQ W/ 1-GANG RING	PROVIDE .75" C TO DOME LIGHT
EH _{CB}	CODE BLUE BUTTON	54"	1-GANG	PROVIDE .75" C TO ACC CEILING
E	COMBINATION EMERGENCY ASSISTANCE & CODE BLUE BUTTON	54"	1-GANG	PROVIDE .75" C TO ACC CEILING
B₽	BATH STATION	36"	1-GANG	PROVIDE .75" C TO ACC CEILING
М	MEDICAL EQUIPMENT ALARM INPUT RECEPTACLE (4 PORT)	54"	1-GANG	PROVIDE .75" C TO DOME LIGHT
BS	WIRELESS TELEPHONE BASE STATION			
	SERVER RACK			
_	CORRIDOR DOME LAMP	6" ABOVE DOOR OR ON CEILING	1-GANG	PROVIDE .75" C TO COORIDOR CABLE TRAY

(3C)DEH

NURSE CALL MASTER STATION (NCM)

CAT 5 -# 24 AWG

CAT 5 -# 24 AWG

CAT 5 -# 24 AWG

CAT 5 -# 24 AWG TELEPHONE INTERFACE MODULES

TERMINATION RESISTOR TO ADDITIONAL AREA CONTROL UNITS

	CABLE TYPE LE	GEND
SYMBOL	DESCRIPTION (NON-PLENUM)	ACCEPTABLE TYPES
Α	10 CONDUCTOR, 22 AWG, SHIELDED PAIR	WEST PENN 2010
В	4 PAIR, CAT 5 DATA CABLE	CATEGORY 5
С	4 PAIR, CAT 5 DATA CABLE	CATEGORY 5
D	FLAT, 6 CONDUCTOR	WEST PENN 37123
E	FLAT, 8 CONDUCTOR	WEST PENN 37127
F	20 AWG, SHIELDED PAIR	WEST PENN 292
G	2 CONDUCTOR, 22 AWG	WEST PENN 221
н	2 CONDUCTOR, 12 AWG	WEST PENN 227
ı	2 CONDUCTOR, 16 AWG	WEST PENN 225
J	3 CONDUCTOR, 16 AWG	WEST PENN 235
к	2 CONDUCTOR, 18 AWG	WEST PENN 224
L	4 CONDUCTOR, 22 AWG	WEST PENN 241
м	2 PAIR, 22 AWG, SOLID	WEST PENN 251
N	8 CONDUCTOR, 22 AWG	WEST PENN 271
0	10 CONDUCTOR, 22 AWG	WEST PENN 272
Р	RG-59, COAXIAL	WEST PENN 843
Q	RG-6, COAXIAL	WEST PENN 841
R	22 AWG, SHIELDED PAIR	WEST PENN 291
S	3 CONDUCTOR, 22 AWG, SHIELDED	WEST PENN 301
U	4 INDIVIDUAL SHIELDED PAIR, 22 AWG	WEST PENN 439
v	7 CONDUCTOR, 20 AWG	WEST PENN 263

	NURSE CALL DEVICES/FEATURES PER AREA TABLE			LCD MASTER	BAR-CODE READER	RESPONDER NET	OVERHEAD PAGING INTERFACE	CODE/EMERGENCY BUTTON COVERS	WIRELESS PHONE COVERAGE	# OF WIRELESS PHONES	# OF DIGITAL PAGERS	# OF DIGITAL/VOICE PAGERS	# OF VOICE PAGERS	AREA REQUIRES AFTER HOURS WORK	NOTES
4	1	ECU AREA (EY101)	1	0	0	N		Υ	Υ	0	17			N	
+	2	RED CLINIC AREA (EY101)	1	0	1	Υ		Υ	Υ	0	23			Υ	
┥	3	BLUE CLINIC AREA (EY102)	1	0	1	Υ		Υ	Υ	0	23			Υ	
1	4	AUDIOLOGY AREA (EY102)	1	0	0	Υ		Υ	N	0	0			Υ	
1	5	BLOOD DRAW AREA (EY103)	0	0	0	N		N	N	0	0			N	
1	6	MICU AREA (EY104)	1	0	1	Υ		Υ	Υ	2	8			N	
	7	DIALYSIS AREA (EY105)	0	1	0	Υ		Υ	N	2	0			Υ	
_	8	SICU AREA (EY106)	1	0	1	Υ		Υ	Υ	2	11			N	
4	9	O.R. AREA (EY107)	0	1	0	Υ		Υ	Υ	0	5			Υ	
4	10	RECOVERY AREA (EY107)	0	0	0	N		Υ	Υ	0	0			Υ	
4	11	TELEMETRY/CCU AREA (EY108)	1	0	1	Υ		Υ	Υ	6	5			N	
┨	12	ACUTE MED AREA (2W/2E) (EY109-EY111)	2	0	2	Υ		Υ	Υ	10	32			N	
┪	13	NT AREA (EY112)	1	0	1	Υ		Υ	Υ	0	5			Υ	
1	14	3E CLINICS (EY114-EY115)	1	0	1	Υ		Υ	Υ	0	6			Υ	
	15	3W CLINICS (EY113)	2	1	1	Υ	Υ	Υ	Υ	3	12			Υ	
_	16	GI LAB AREA (EY116)	0	1	0	N		Υ	Υ	0	5			Υ	
	17	HOPTEL AREA (4W) (EY117)	0	0	0	N		Υ	Υ	0	0			N	
	18	4E CLINICS (EY118)	0	0	1	Υ		Υ	Υ	0	6			Υ	
	19	WARD 3A AREA (EY119)	0	0	0	Υ		N	Υ	12	5			N	
	20	SPARE PAGERS										30			
	21	SPARE PHONES								8					

| NOTES

NURSE CALL

UPGRADE

VAMC, SLC UTAH

AS-BUILT DRAWINGS

Project No.

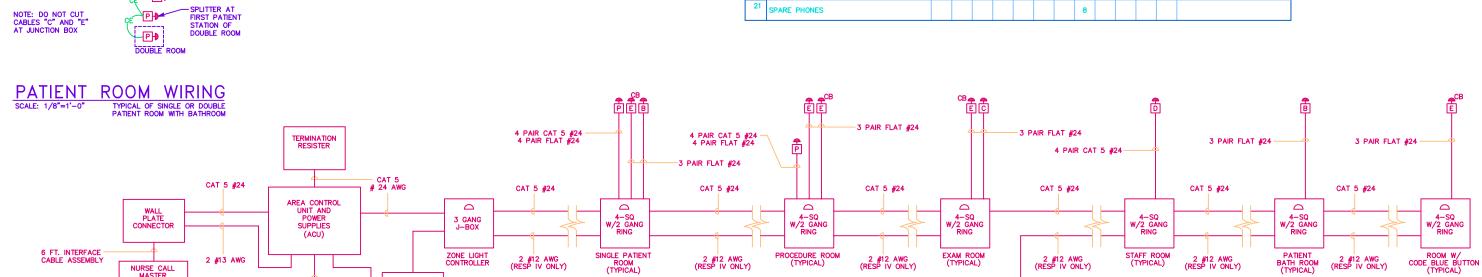
EY60

NURSE CALL SYSTEM

CABLE SCHEDULE AND DETAILS

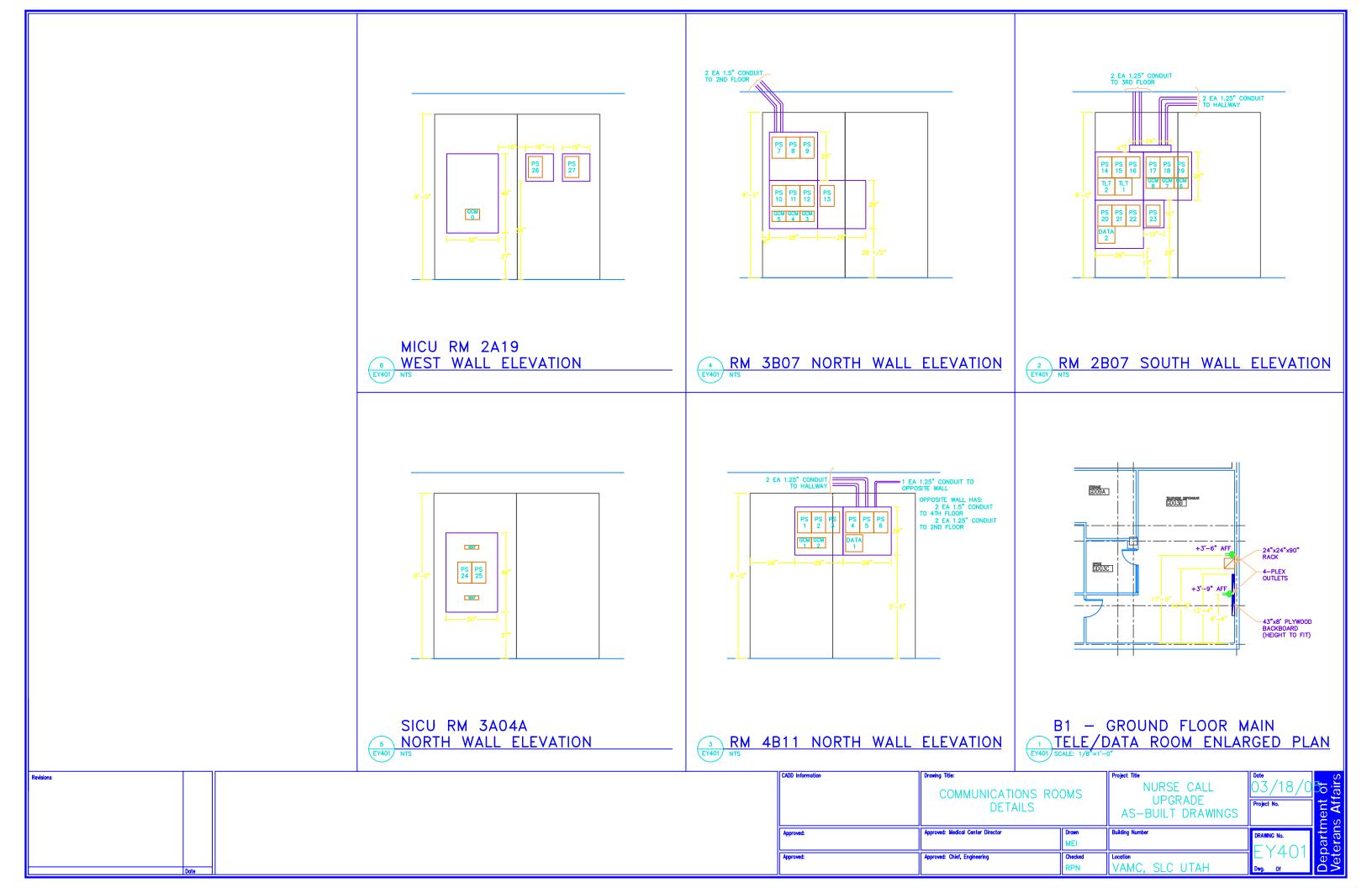
Approved Medical Center Director

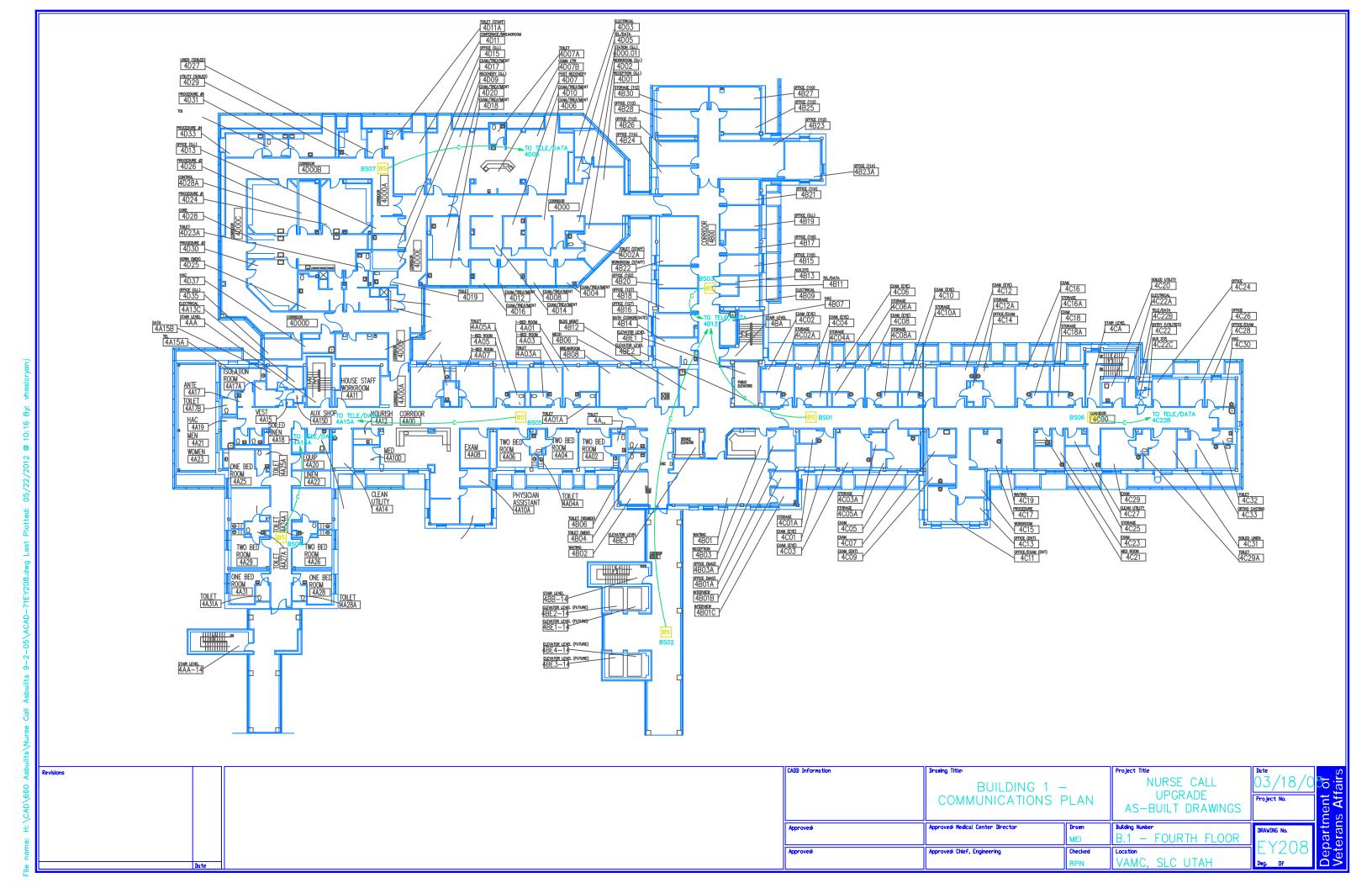
- PROVIDE DEVICES AS INDICATED ON FLOOR PLANS
 AND PROVIDE CABLES AS REQUIRED PER
 MANUFACTURER'S WRITTEN INSTRUCTIONS. REFER
 TO SCHEDULE, AND 13750 FOR ADDITIONAL
 REQUIREMENTS.
- 2. COMPLETE AREA CONTROL UNIT ROOM-NUMBER PROGRAMMING WORK SHEET AND COORDINATE WITH HEAD OF STAFF IN EACH AREA BEFORE PROGRAMMING AREA CONTROL UNIT.
- UTILIZE EXISTING CABLE TRAY AND EXISTIN RACEWAYS WHERE POSSIBLE.
- REFER TO CABLE TYPE SCHEDULE AND RUNS (SHOP DRAWING FLOORPLANS.

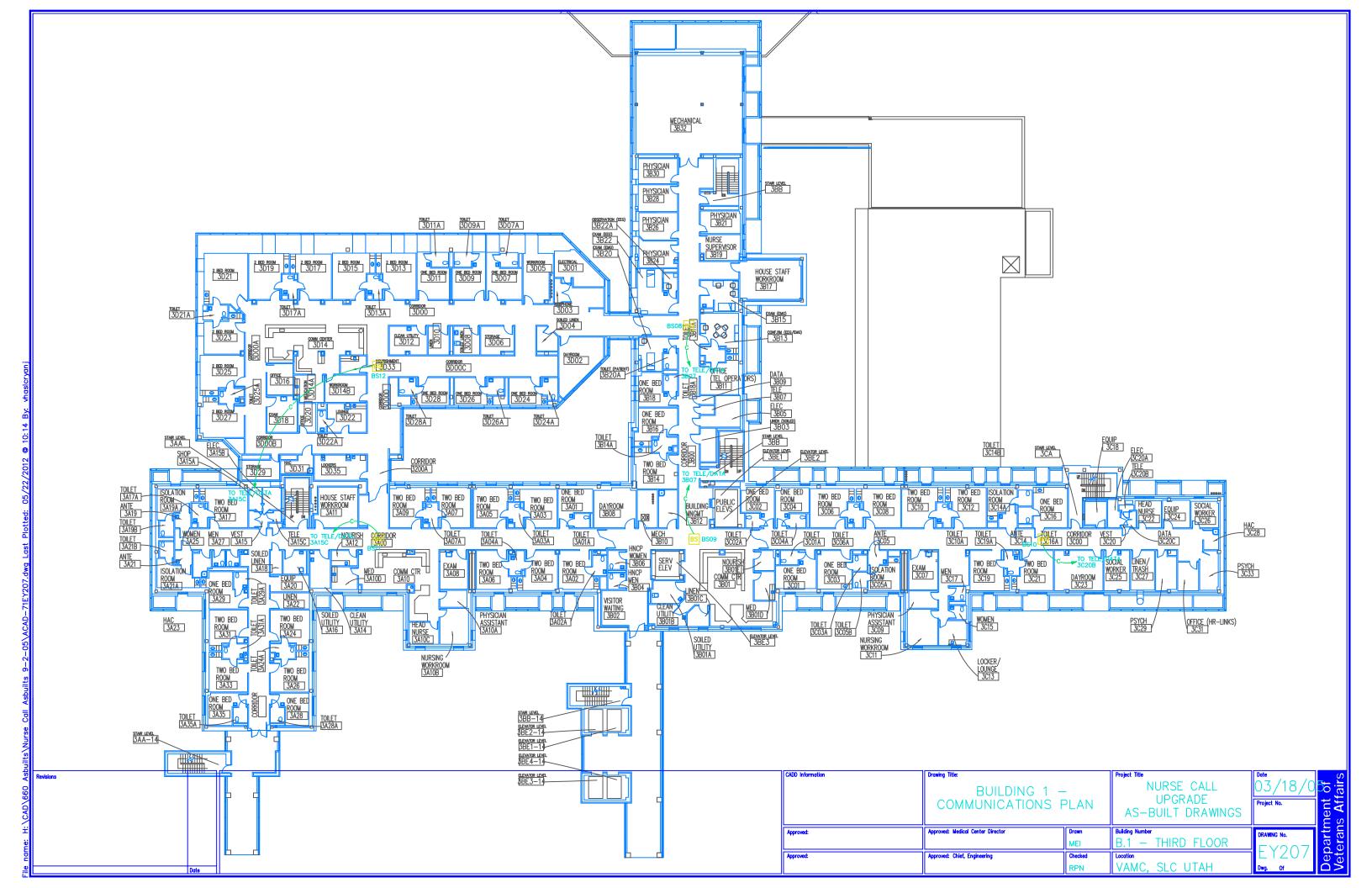


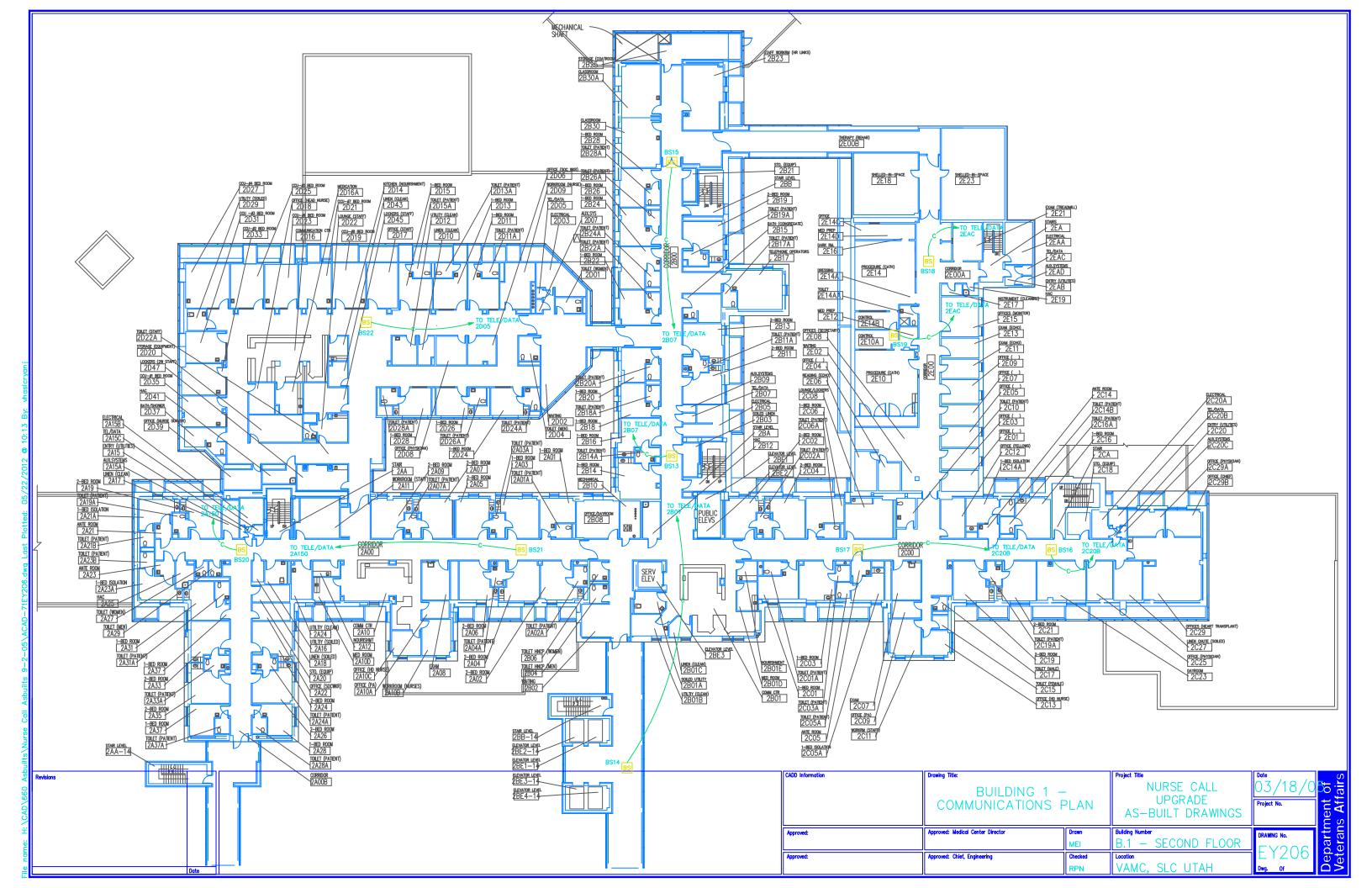
NURSE CALL SINGLE LINE DIAGRAM (TYPICAL) (RAULAND RESPONDER IV)

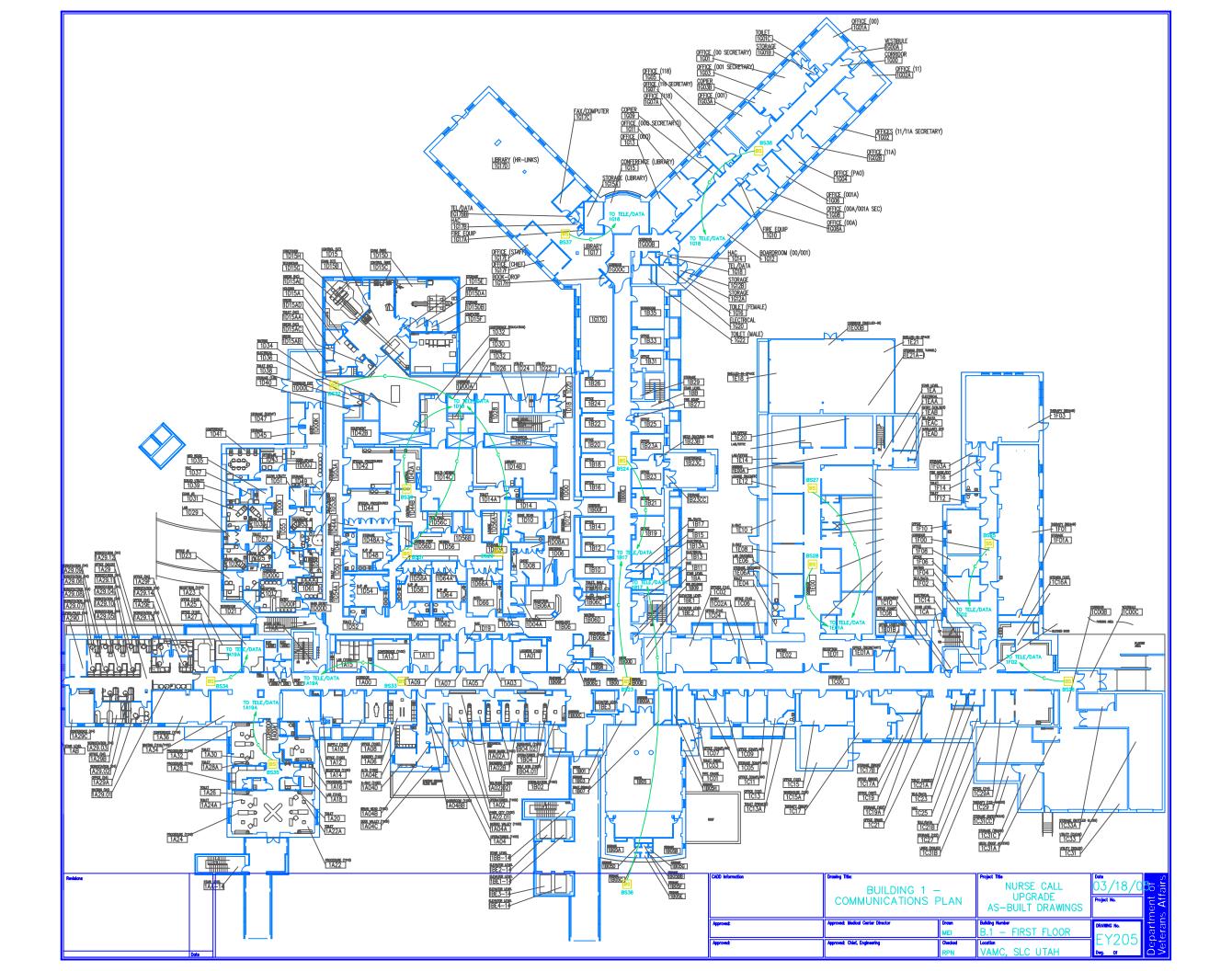
Approved: RUSSELL NAEGLE, E.I.T.

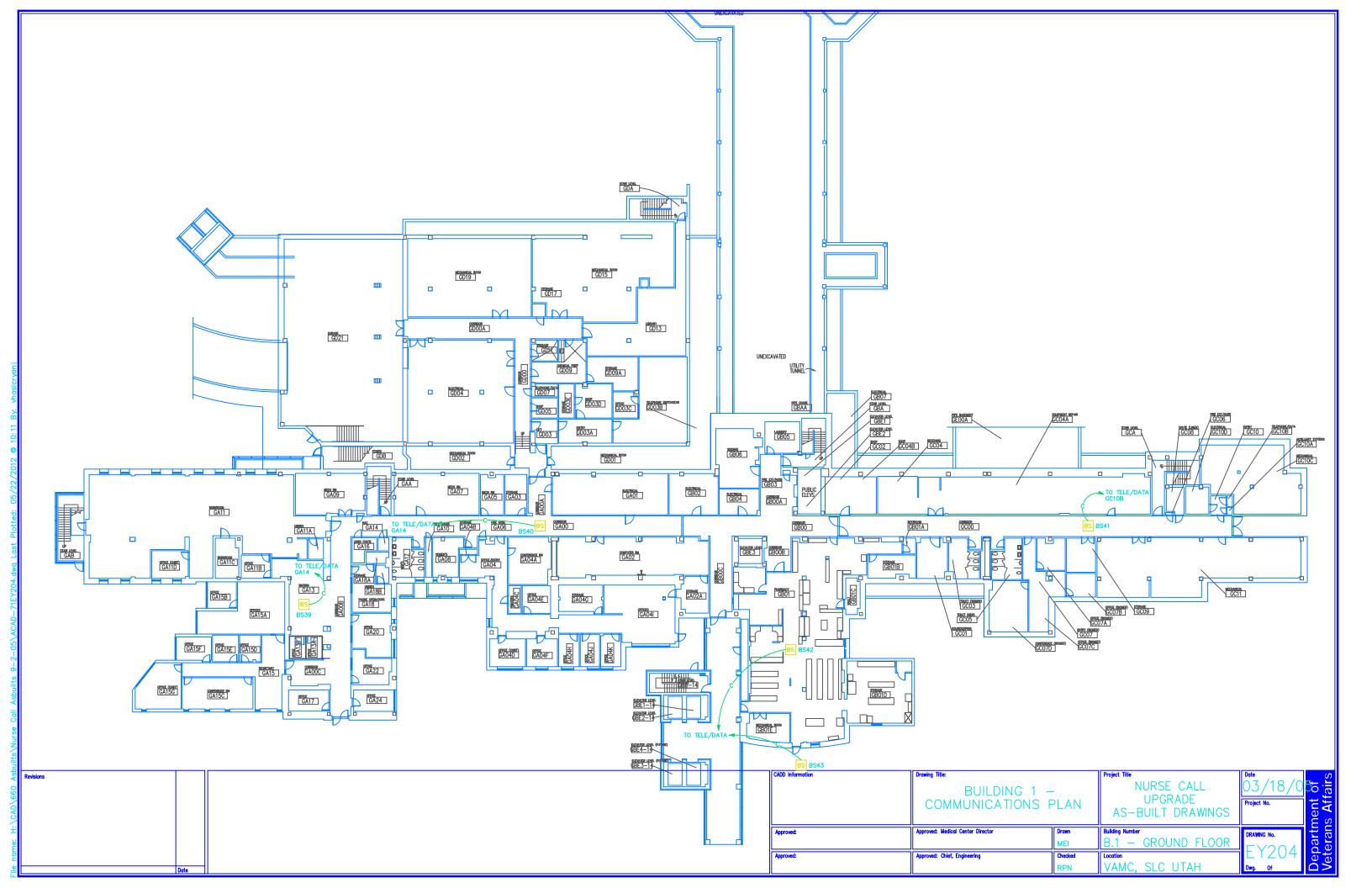


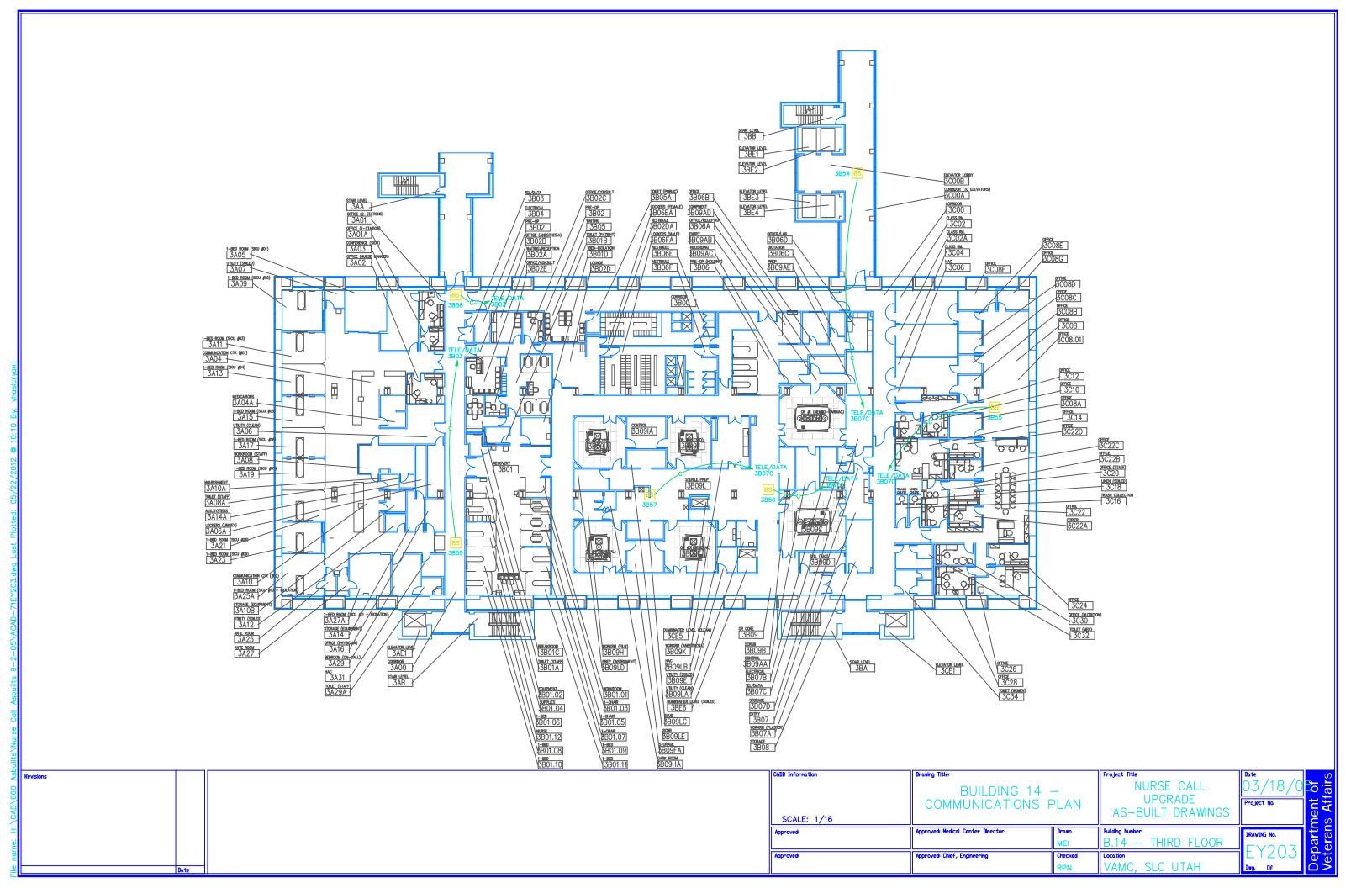


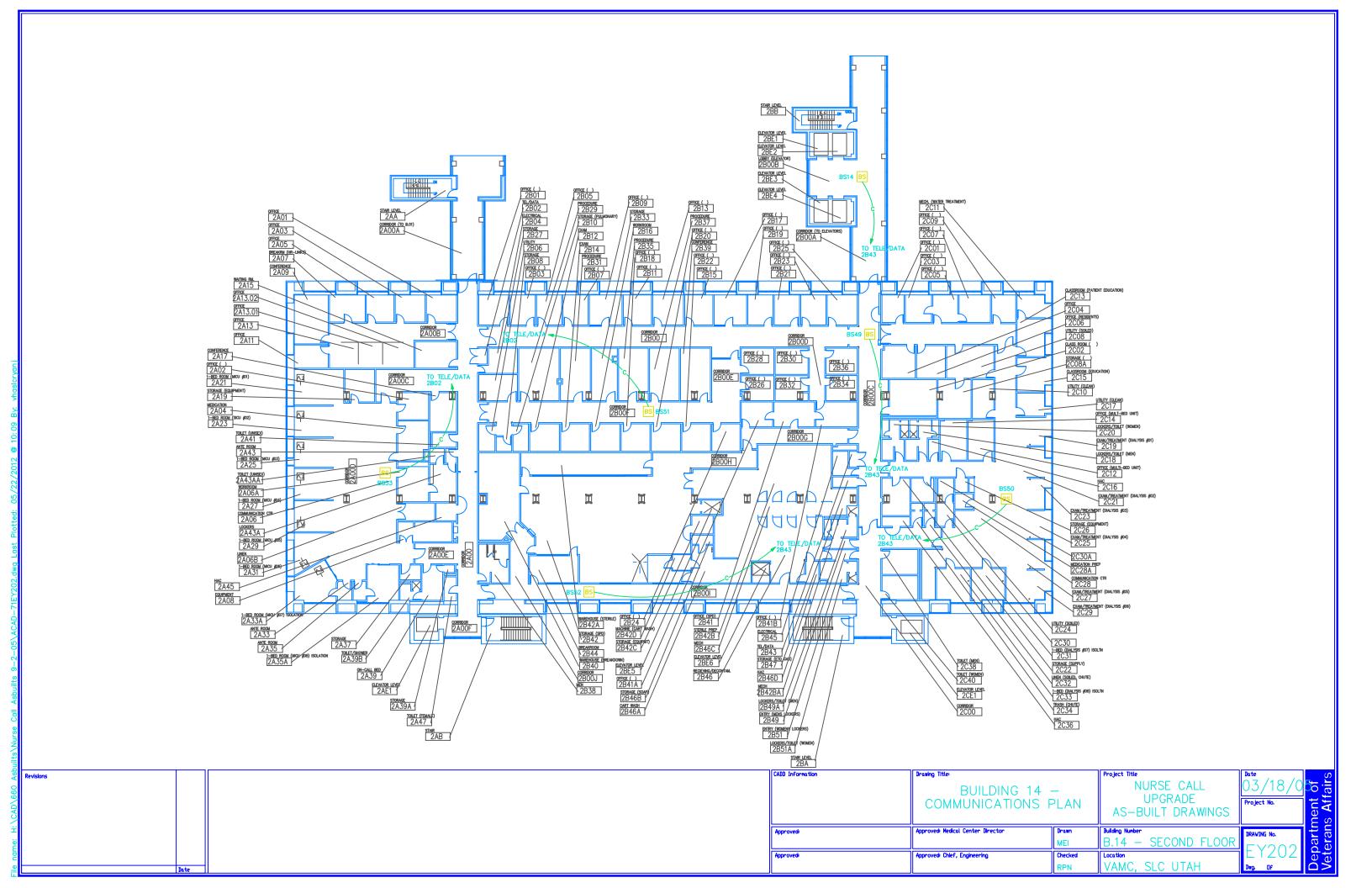


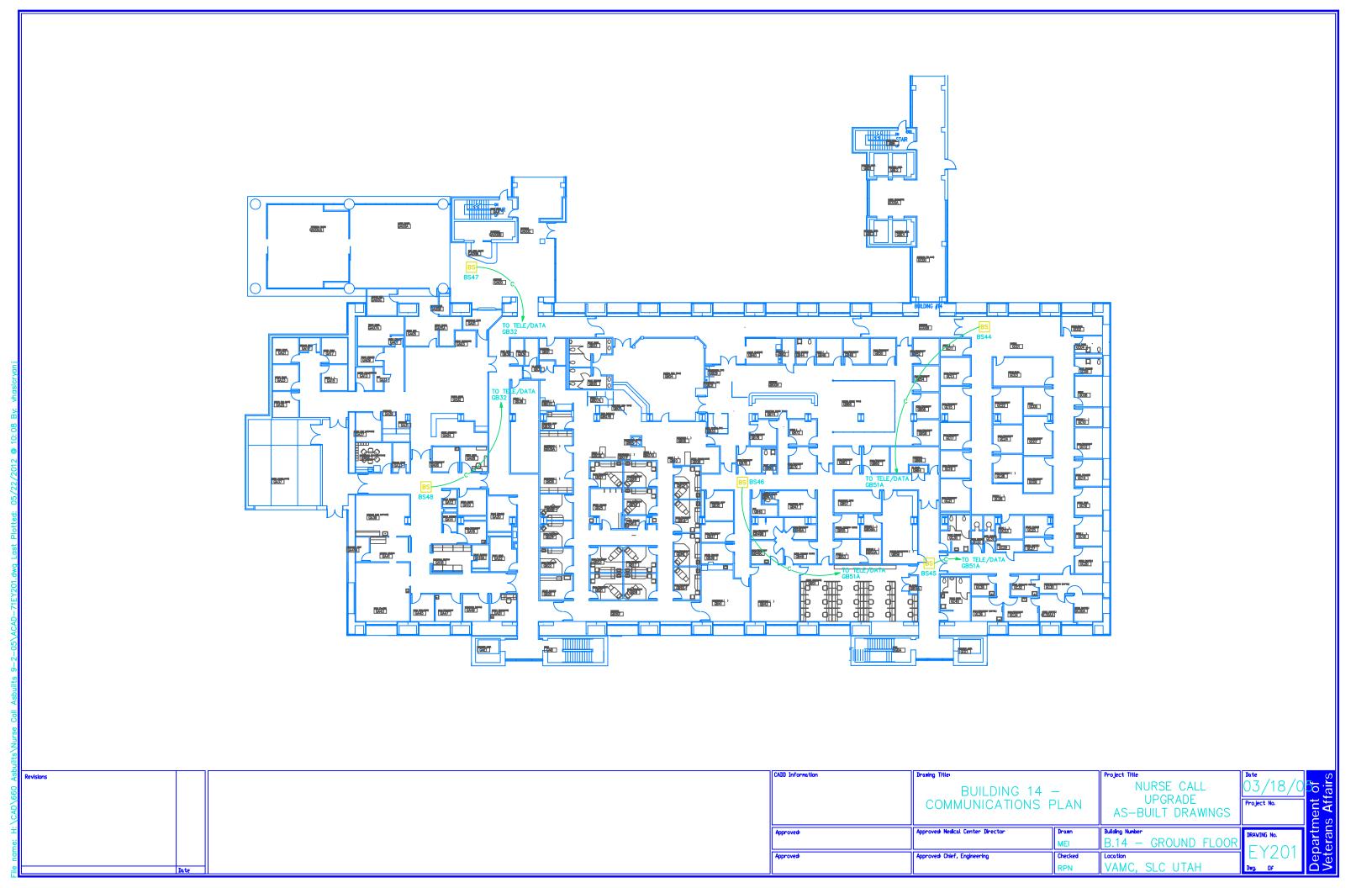


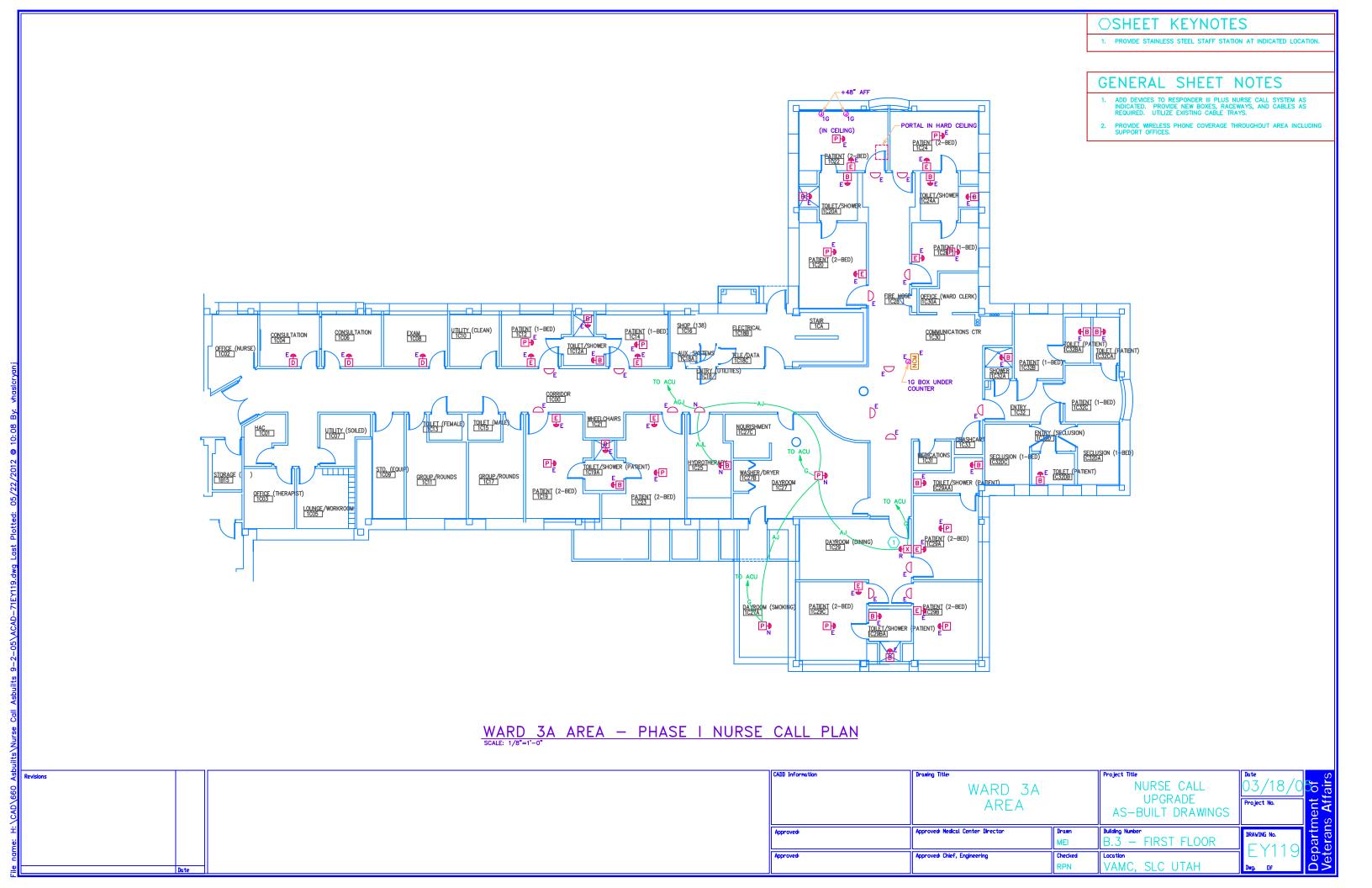


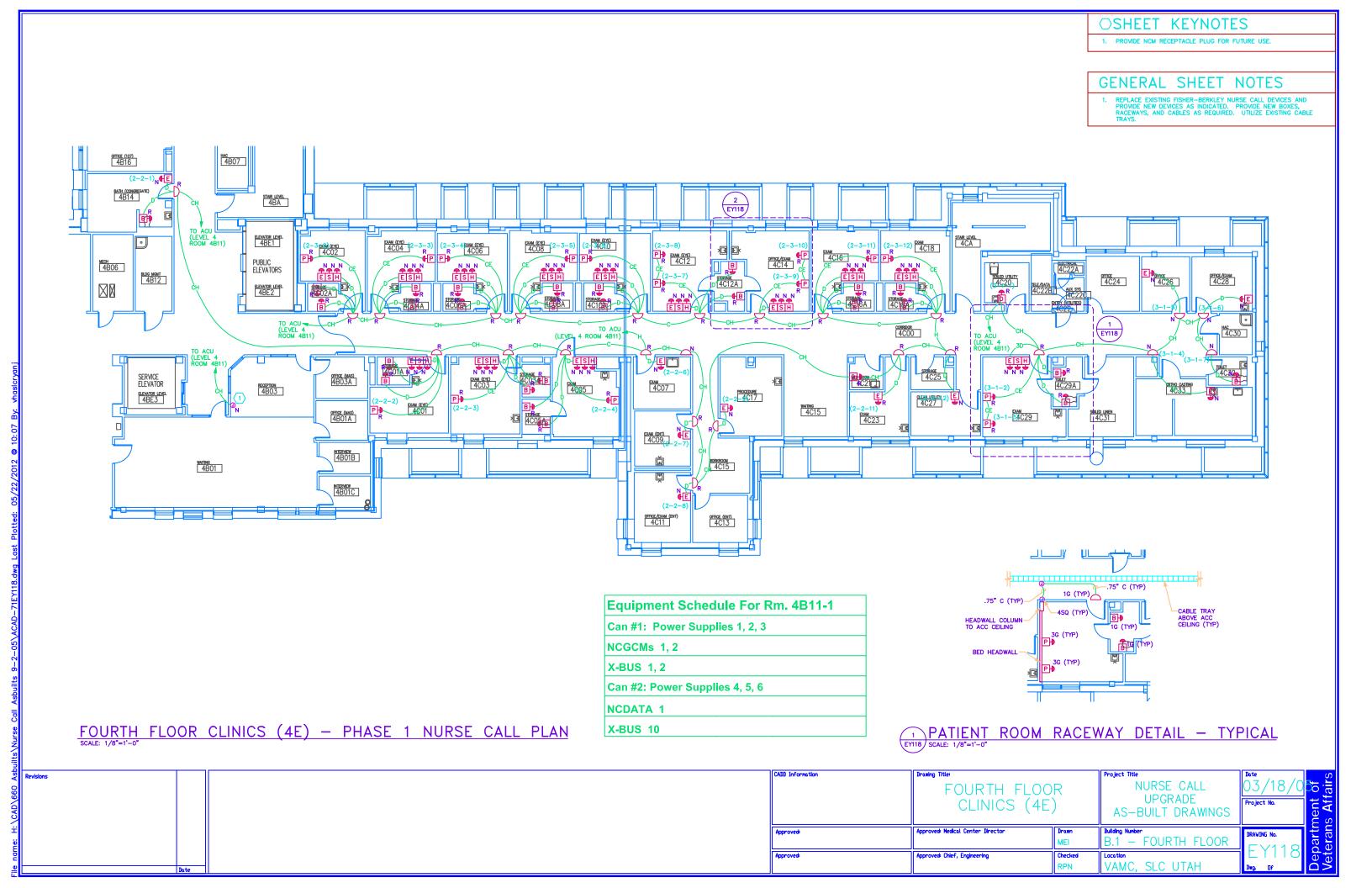


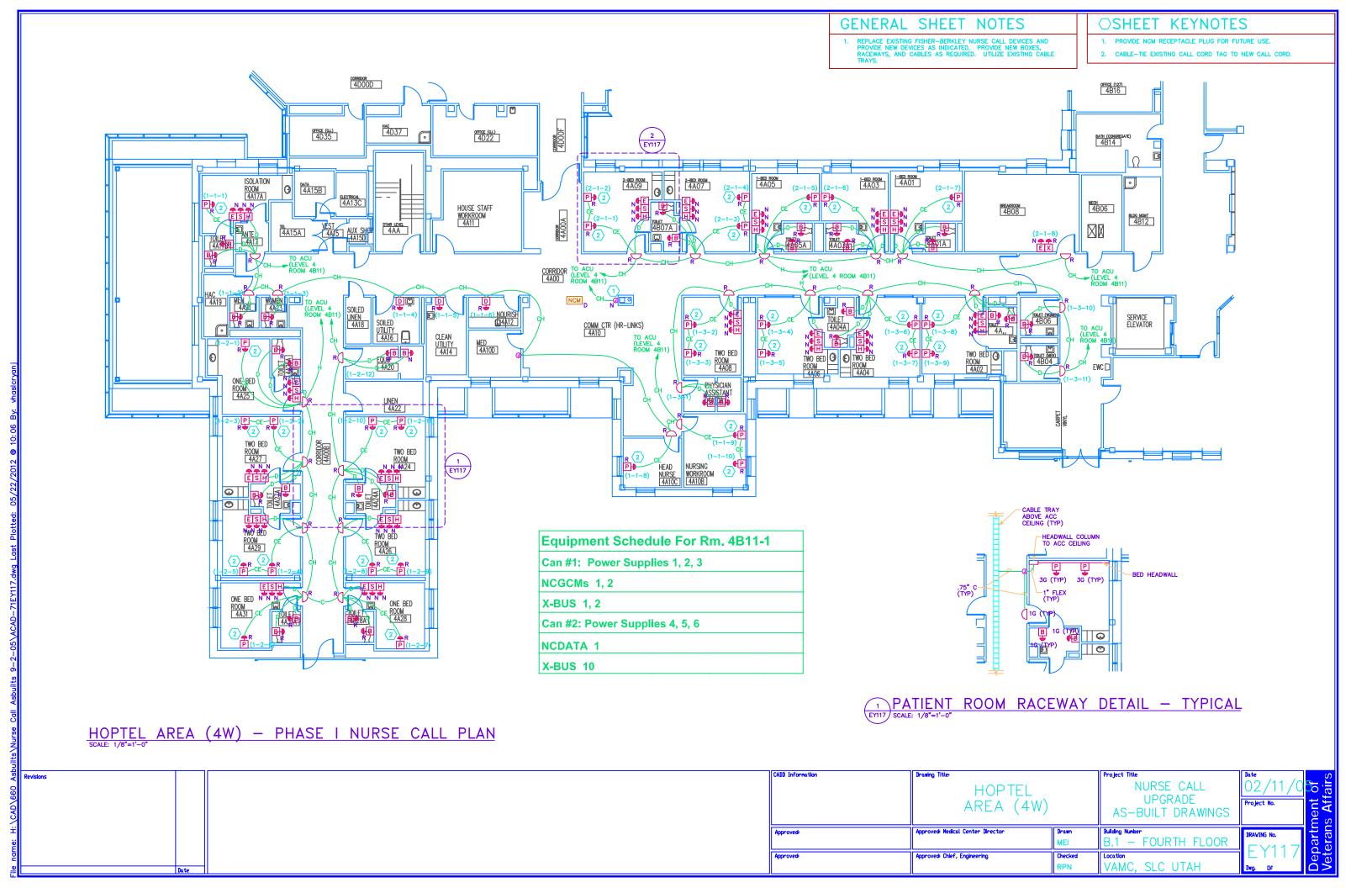


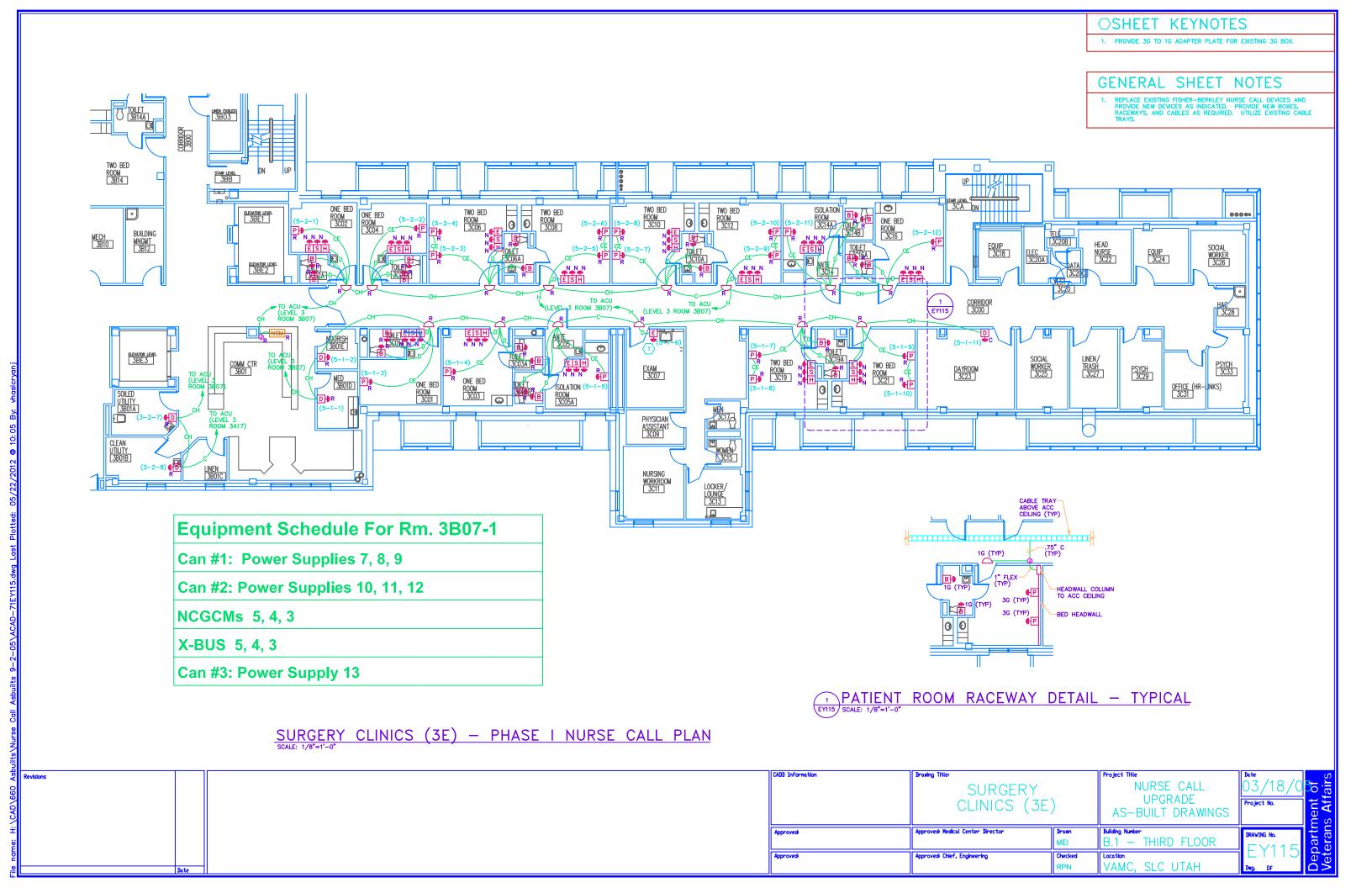


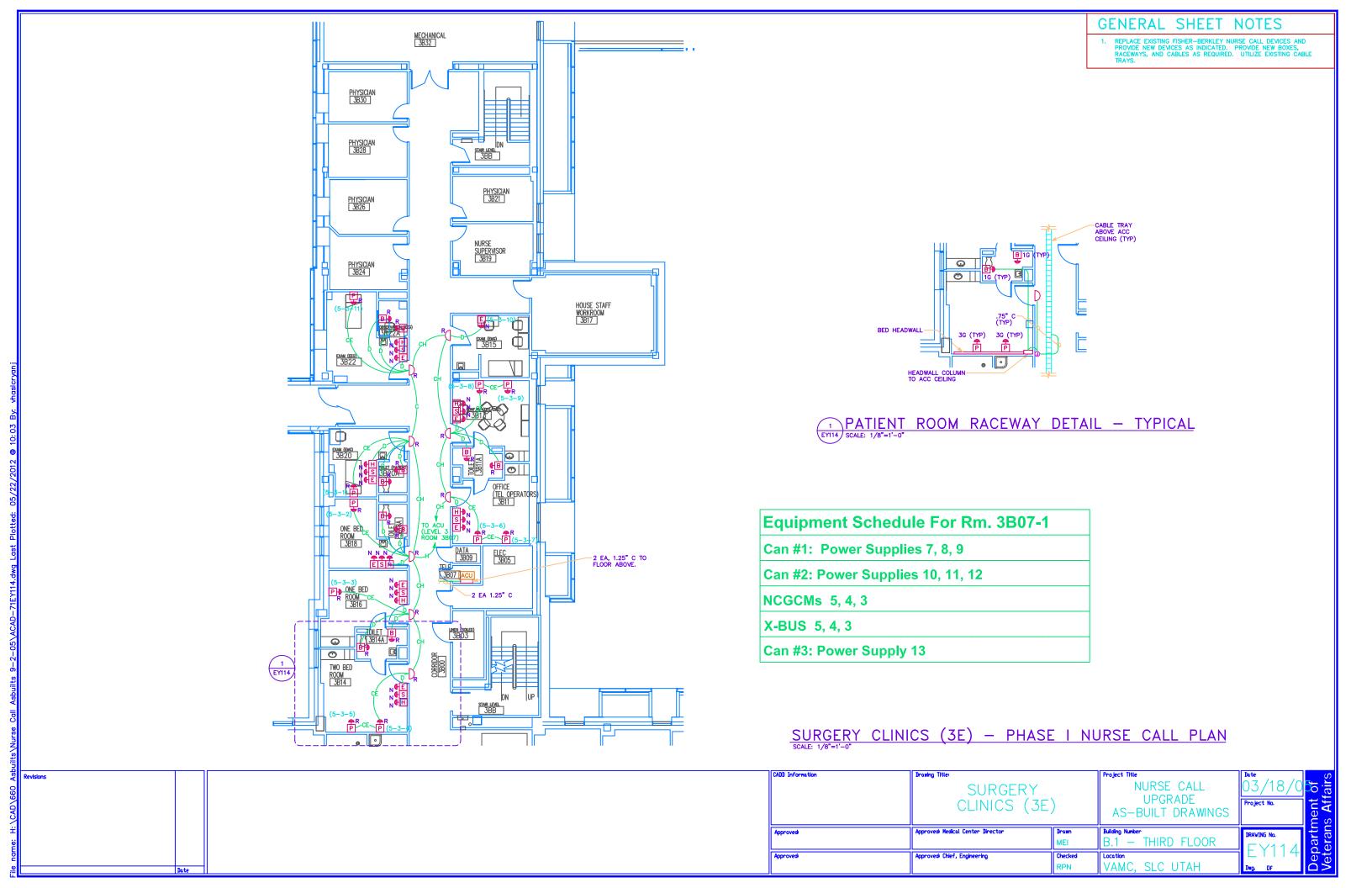


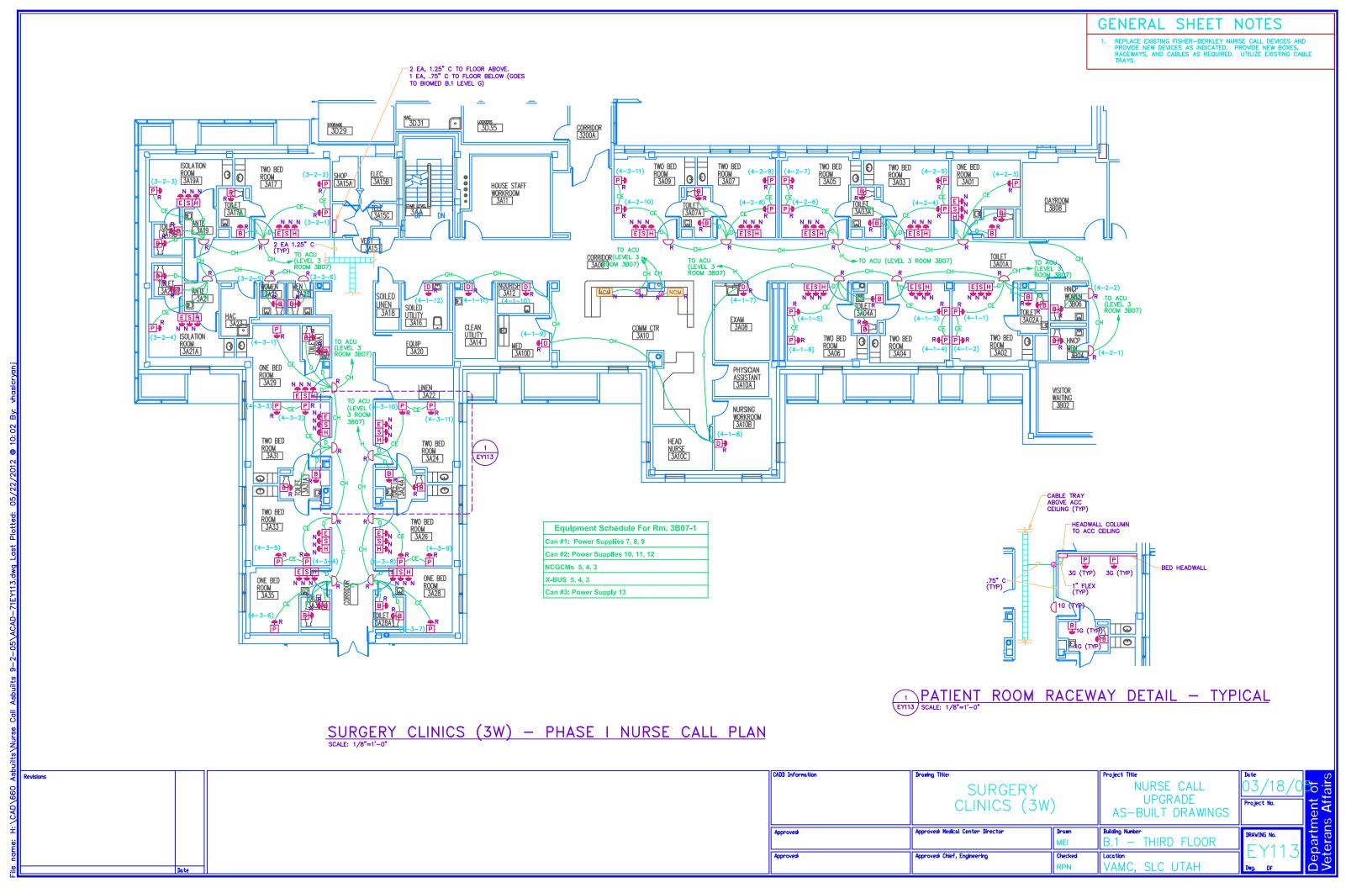


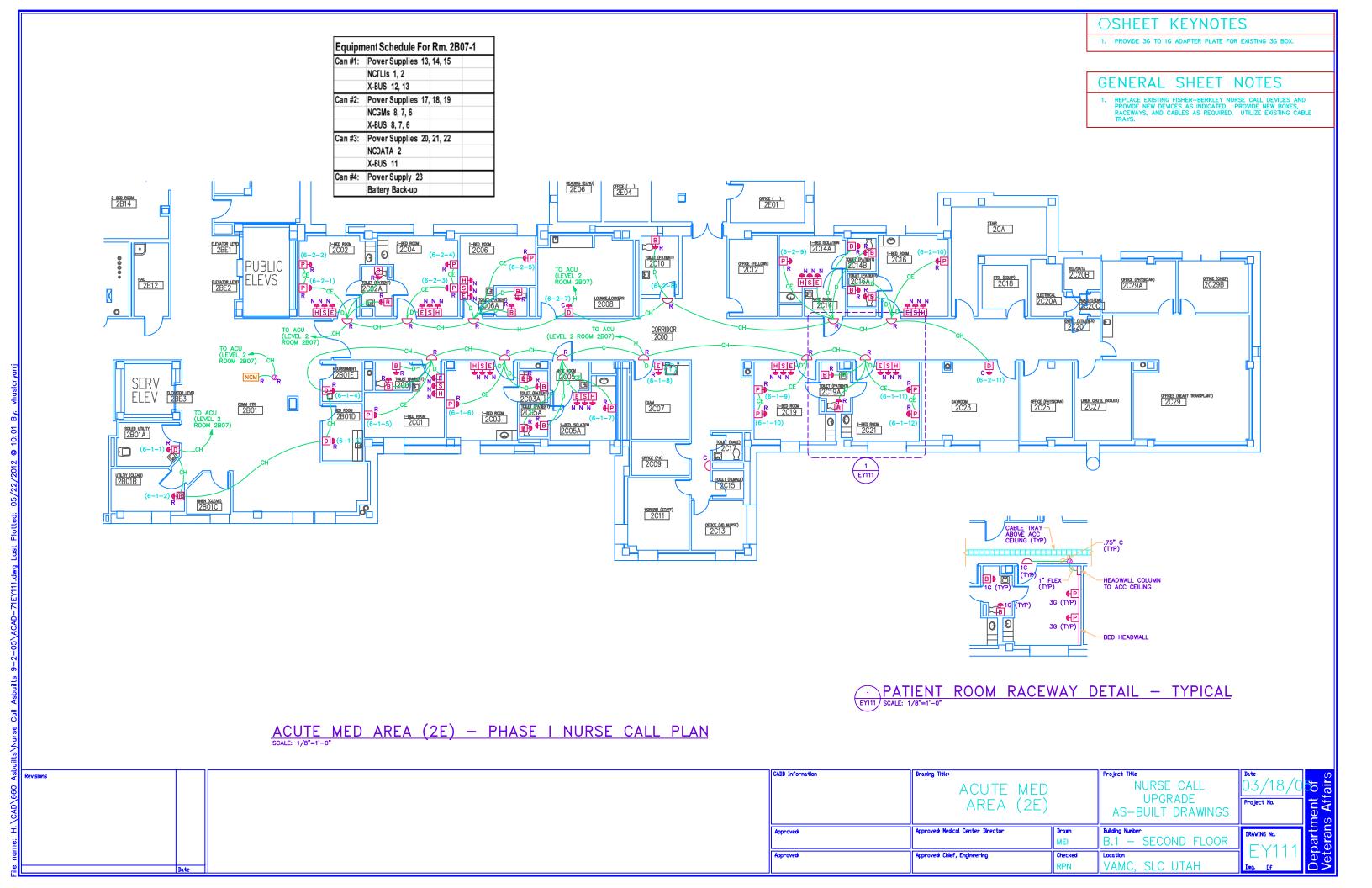


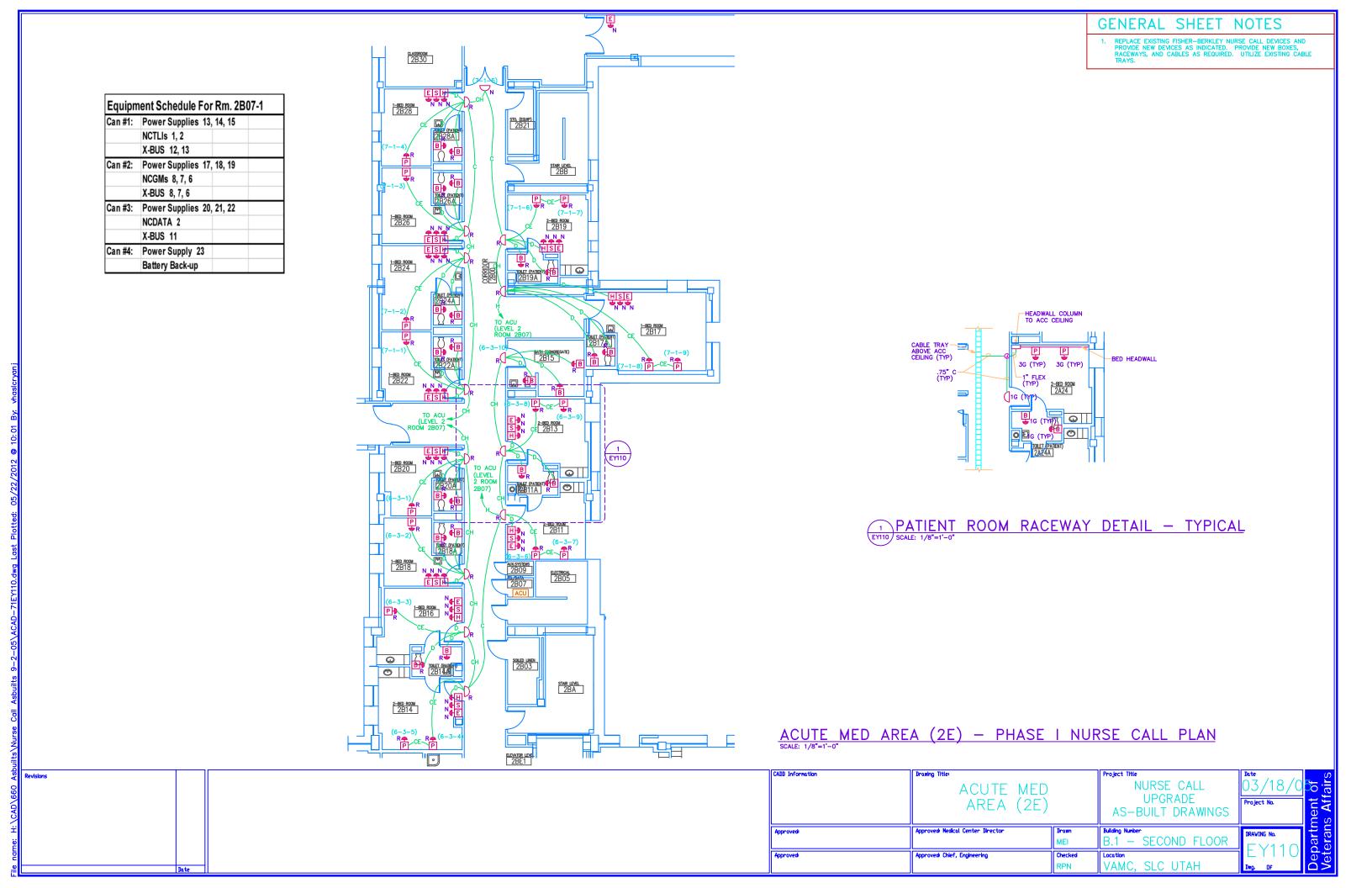


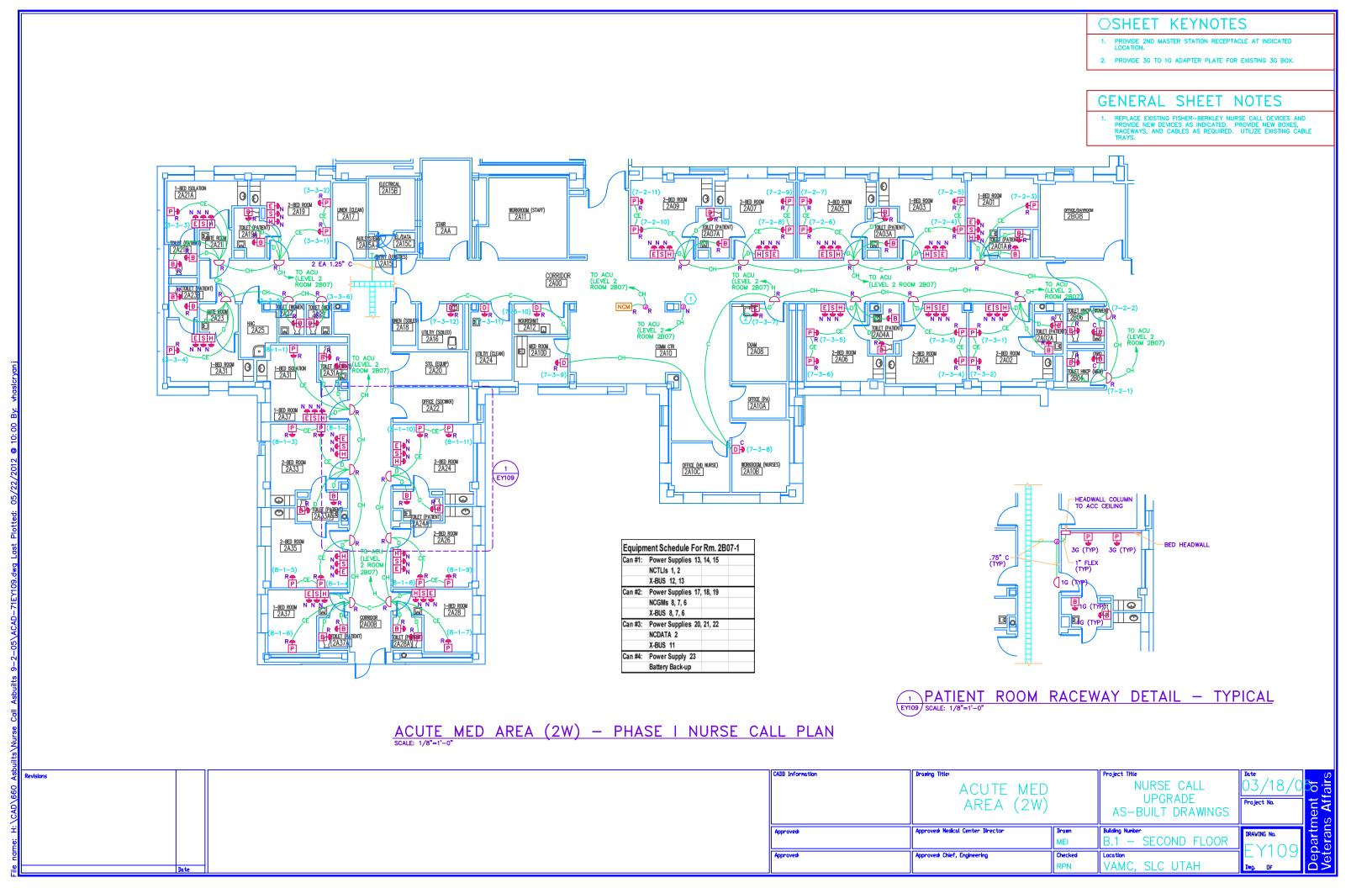






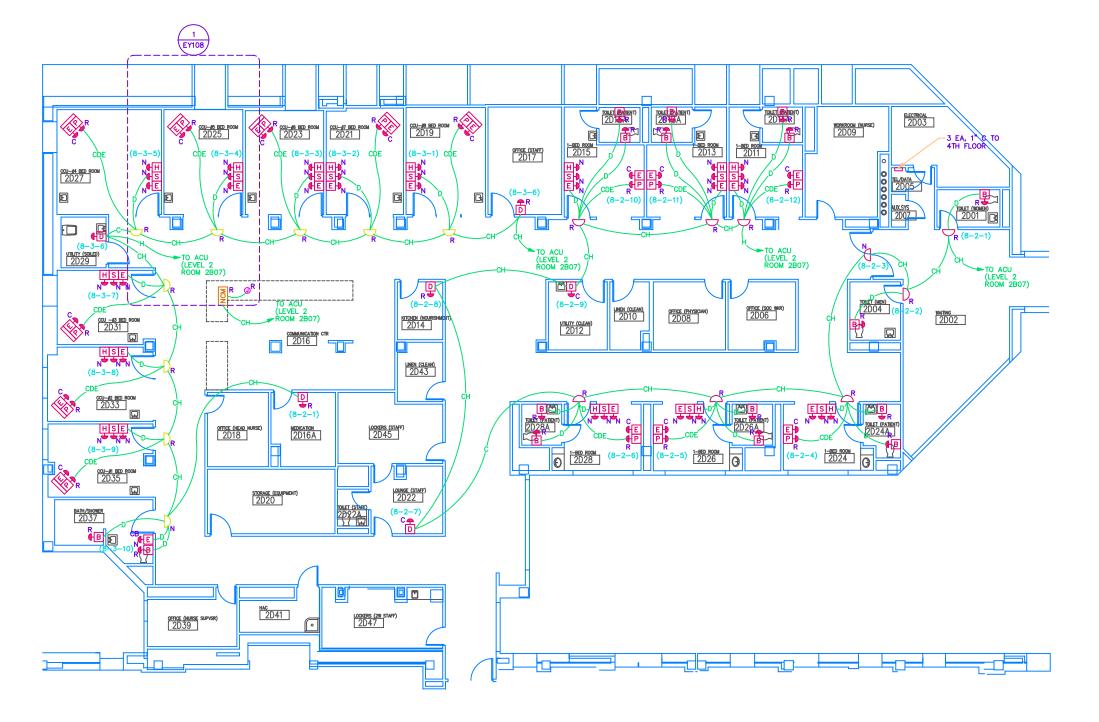




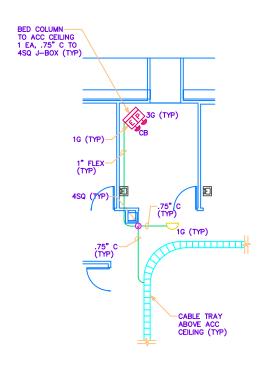


GENERAL SHEET NOTES

REPLACE EXISTING FISHER-BERKLEY NURSE CALL DEVICES AND PROVIDE NEW DEVICES AS INDICATED. PROVIDE NEW BOXES, RACEWAYS, AND CABLES AS REQUIRED. UTILIZE EXISTING CABLE TRAYS.



Can #1:	Power Supplies 13, 14, 15	
	NCTLIs 1, 2	
	X-BUS 12, 13	
Can #2:	Power Supplies 17, 18, 19	
	NCGMs 8, 7, 6	
	X-BUS 8, 7, 6	
an #3:	Power Supplies 20, 21, 22	
	NCDATA 2	
	X-BUS 11	
Can #4:	Power Supply 23	
	Battery Back-up	

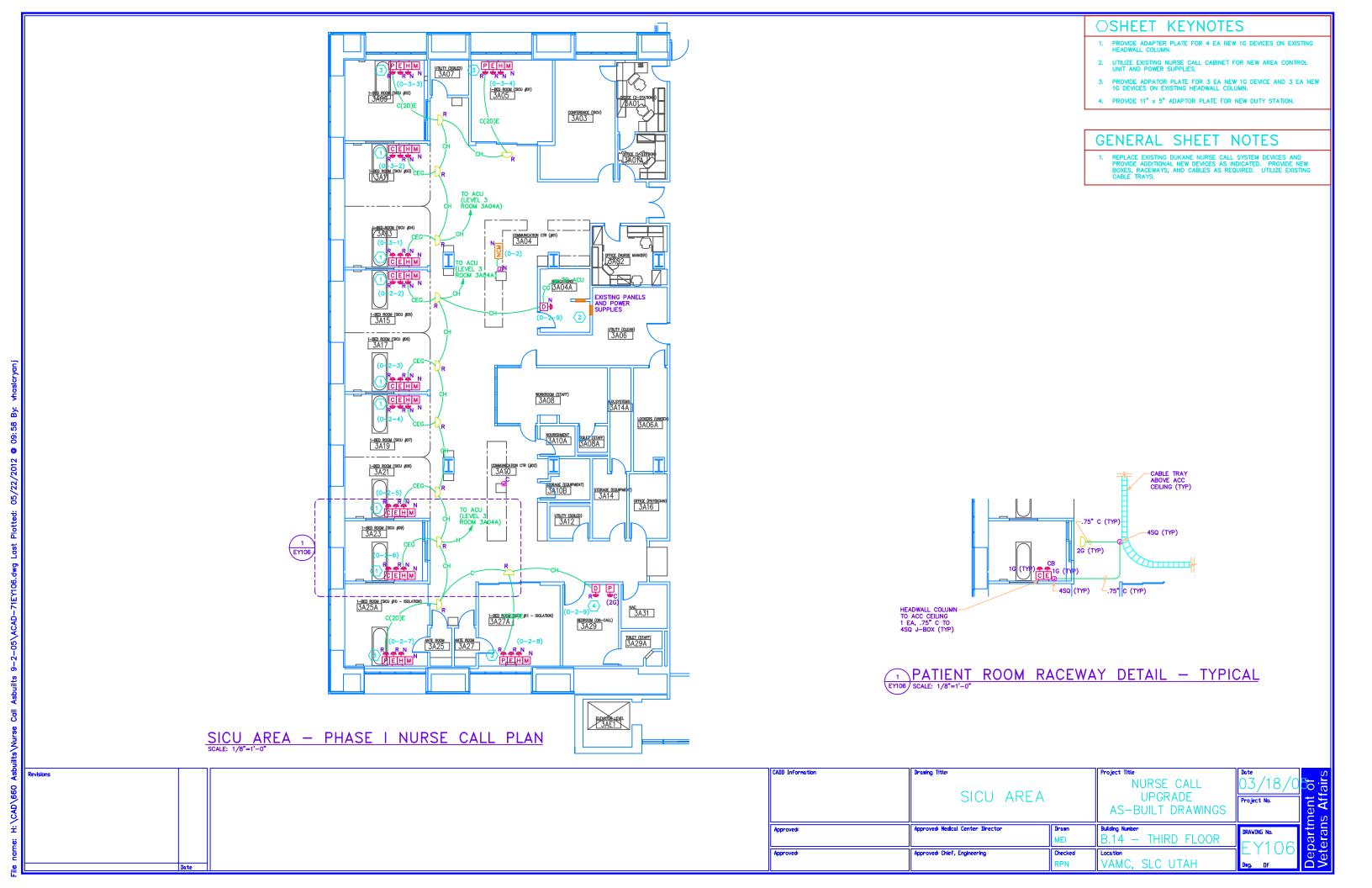


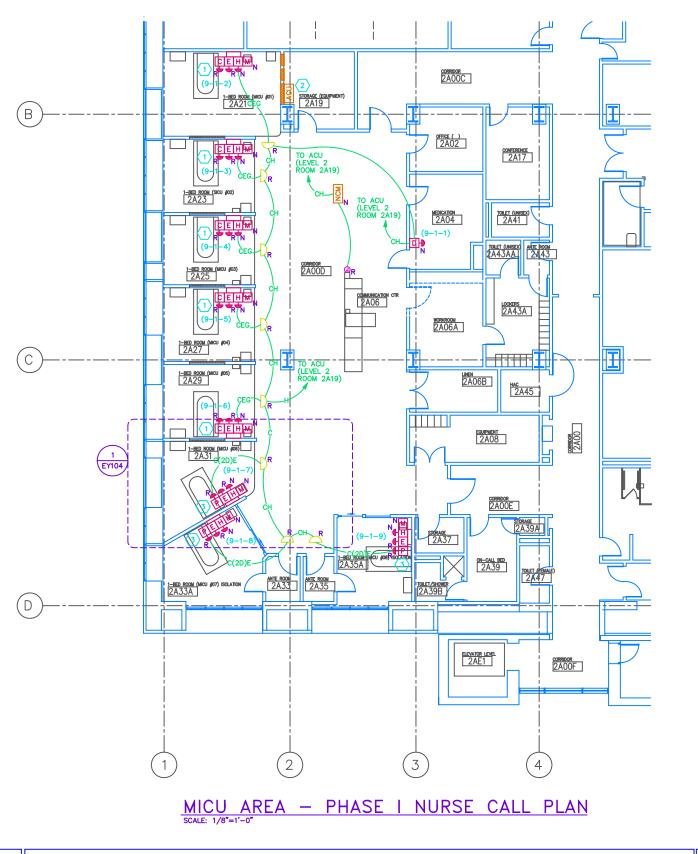
PATIENT ROOM RACEWAY DETAIL - TYPICAL

SCALE: 1/8"=1'-0"

TELEMETRY/CCU AREA — PHASE I NURSE CALL PLAN SCALE: 1/8"=1'-0"

	CADD Information	TELEMETRY/ CCU AREA		Project Title NURSE CALL UPGRADE AS-BUILT DRAWINGS	Date 03/18/05 Project No.
	Approved:	Approved: Medical Center Director	Drawn MEI	Bullding Number B.1 — SECOND FLOOR	DRAVING No.
	Approved	Approved: Chief, Engineering	Checked RPN	VAMC, SLC UTAH	





Equipment Schedule For Rm. 2A19-14

Can #1: Power Supplies - none

NCGCMs 0

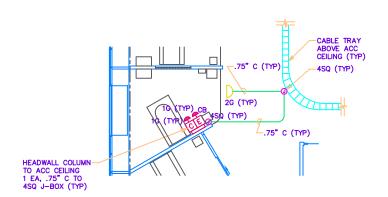
X-BUS 0

○SHEET KEYNOTES

- PROVIDE ADAPTER PLATE FOR 4 EA NEW 1G DEVICES ON EXISTING HEADWALL COLUMN.
- 2. UTILIZE EXISTING NURSE CALL CABINET FOR NEW AREA CONTROL UNIT AND POWER SUPPLIES.
- 3. PROVIDE ADAPTOR PLATE FOR 1 EA NEW 3G DEVICE AND 3 EA NEW 1G DEVICES ON EXISTING HEADWALL COLUMN.

GENERAL SHEET NOTES

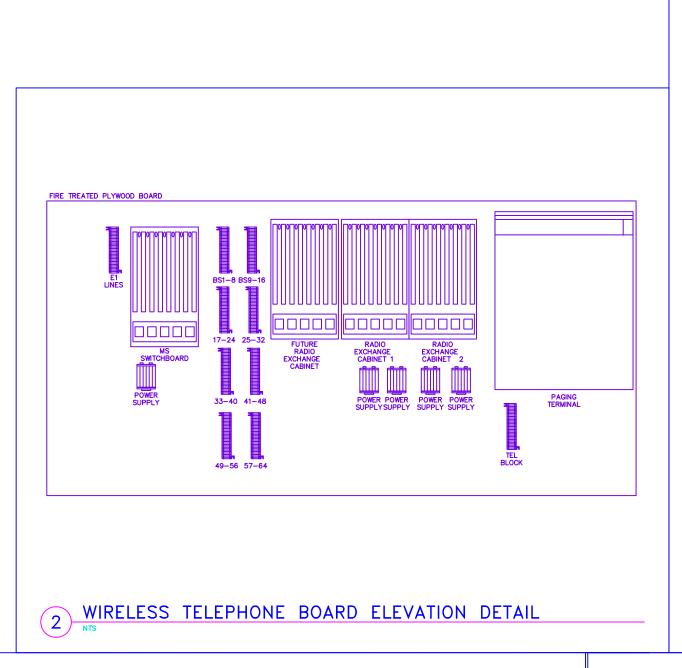
1. REPLACE EXISTING DUKANE NURSE CALL SYSTEM DEVICES AND PROVIDE ADDITIONAL NEW DEVICES AS INDICATED. PROVIDE NEW BOXES, RACEWAYS, AND CABLES AS REQUIRED. UTILIZE EXISTING CABLE TRAYS.

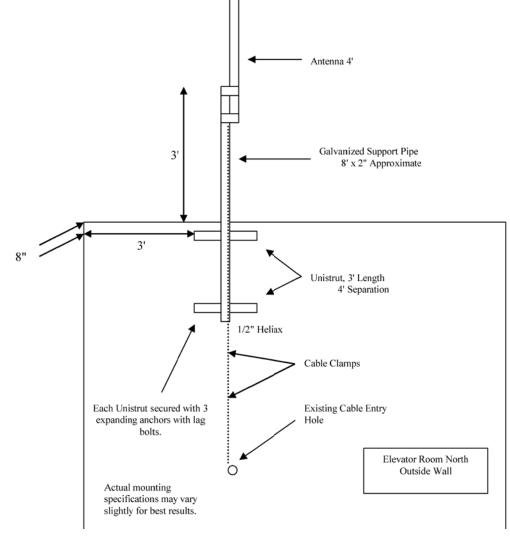


PATIENT ROOM RACEWAY DETAIL - TYPICAL

[EY104] SCALE: 1/8"=1'-0"

CADD Information	MICU AREA		NURSE CALL UPGRADE AS—BUILT DRAWINGS	03/18/0 Project No.	nent of s A ffairs
Approved	Approved: Medical Center Director	Drawn MEI	Building Number B.14 — SECOND FLOOR	DRAWING No.	oartr eran
Approved	Approved: Chief, Engineering	Checked RPN	VAMC, SLC UTAH	LYIU4 Dwg. Of	Dep Vet





1	WIRELESS	PAGING	ANTENNA	MOUNTING	DETAIL
\bigcup	NTS				

NURSE CALL UPGRADE NURSE CALL COMMUNICATIONS DETAILS Project No. AS-BUILT DRAWINGS Approved: Medical Center Director Building Number EY60 VAMC, SLC UTAH Approved: Chief, Engineering